

11 JAN 2006 13:00

INTECH MULNCHEN 0110-177 0723334400

International Application No

PCT/IL2005/000133

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B82B3/00 B05D5/12 C30B7/14 H01L21/768

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B82B B05D C30B H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/091458 A (THE PENN STATE RESEARCH FOUNDATION) 6 November 2003 (2003-11-06) page 12, lines 11-20; figures 3A-3I	1-4, 7-11, 14-18, 48-55
X	US 2002/175408 A1 (MAJUMDAR ARUN ET AL) 28 November 2002 (2002-11-28) abstract; figures 2,3,10-12,24,25	1-4, 6-11, 13-18, 48-55
X	WO 02/079514 A (THE TRUSTEES OF BOSTON COLLEGE; KELLEY, SHANA, O; FOURKAS, JOHN; NAUGH) 10 October 2002 (2002-10-10) abstract; figures 4,7-9	1-4, 7-11, 14-18, 48-55



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

22 August 2005

Date of mailing of the international search report

31/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentkan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Dauw, X

11. JAN. 2006 13:05

INTECH MUCNCHEN 0110 T49 0723774400

International Application No

PCT/IL2005/000133

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/06036 A (RESEARCH CORPORATION TECHNOLOGIES, INC) 2 May 1991 (1991-05-02) page 6, line 22 - page 8, line 3; figures 1,3-5,11 page 10, line 8 - page 11, line 25 page 14, lines 4-24	1-5, 7-19, 22-27, 29-32, 37-39, 43-58
P,X	TALEB MOKARI, ELI ROTHENBERG, INNA POPOV, RONNY COSTI, URI BANIN: "Selective growth of metal tips onto semiconductor quantum rods and tetrapods" SCIENCE, vol. 304, 18 June 2004 (2004-06-18), pages 1787-1790, XP002341456 the whole document	1-58
A	WO 03/054953 A (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; ALIVISATOS, PAUL, A; SCHE) 3 July 2003 (2003-07-03) cited in the application abstract; figures 1,2,8,9,12,13	1-58
A	WO 02/29140 A (THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS; PENG, XIAOGANG; P) 11 April 2002 (2002-04-11) abstract; figure 9	1-58
A	US 2003/010987 A1 (BANIN URI ET AL) 16 January 2003 (2003-01-16) abstract; figures 1,6,7	1-58
A	US 2004/007964 A1 (CHEN GA-LANE) 15 January 2004 (2004-01-15) abstract; figure 1	1-58
A	SOLANKI R ET AL: "Atomic layer deposition of ZnSe/CdSe superlattice nanowires" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 81, no. 20, 11 November 2002 (2002-11-11), pages 3864-3866, XP012032540 ISSN: 0003-6951 the whole document	1-58

11. JAN. 2006. 13:06

IN-EPA MUENCHEN 6116 +49 8923994465

NR. 0823 S. 6/13

Information on patent family members

International Application No

PCT/IL2005/000133

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03091458 A	06-11-2003	AU 2003243165 A1	10-11-2003
		WO 03091458 A1	06-11-2003
		US 2003215865 A1	20-11-2003
US 2002175408 A1	28-11-2002	US 2005161662 A1	28-07-2005
		CA 2442985 A1	10-10-2002
		CN 1507661 A	23-06-2004
		EP 1374309 A1	02-01-2004
		JP 2004532133 T	21-10-2004
		MX PA03008935 A	30-06-2004
		TW 554388 B	21-09-2003
		WO 02080280 A1	10-10-2002
		US 2002172820 A1	21-11-2002
WO 02079514 A	10-10-2002	WO 02079514 A1	10-10-2002
		US 2002172963 A1	21-11-2002
WO 9106036 A	02-05-1991	CA 2070389 A1	19-04-1991
		EP 0605408 A1	13-07-1994
		JP 5501928 T	08-04-1993
		WO 9106036 A1	02-05-1991
WO 03054953 A	03-07-2003	AU 2002357013 A1	09-07-2003
		CA 2468789 A1	03-07-2003
		EP 1459372 A1	22-09-2004
		WO 03054953 A1	03-07-2003
		US 2003145779 A1	07-08-2003
		US 2005109269 A1	26-05-2005
WO 0229140 A	11-04-2002	AU 2434802 A	15-04-2002
		CA 2424415 A1	11-04-2002
		EP 1337695 A1	27-08-2003
		JP 2004510678 T	08-04-2004
		WO 0229140 A1	11-04-2002
		US 2002066401 A1	06-06-2002
US 2003010987 A1	16-01-2003	AU 781612 B2	02-06-2005
		AU 8801501 A	02-04-2002
		CA 2391130 A1	28-03-2002
		EP 1264354 A2	11-12-2002
		WO 0225745 A2	28-03-2002
		JP 2004509475 T	25-03-2004
US 2004007964 A1	15-01-2004	CN 1467783 A	14-01-2004
		TW 559851 B	01-11-2003